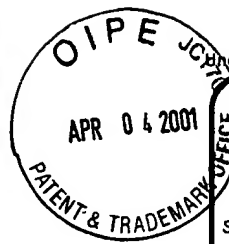


GAW 1642



PTO/SB/17 (2/98)
Approved for use through 9/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known	
Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.		Application Number	09/627,694
		Filing Date	07/28/00
		First Named Inventor	Houghton, et al
		Examiner Name	Harris, A.
		Group / Art Unit	1642
		Attorney Docket No.	MSK-P-026-2
TOTAL AMOUNT OF PAYMENT (\$)		9.00	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																												
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: 15-0610</p> <p>Deposit Account Name: Oppedahl & Larson LLP</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 400</td><td>216 200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 950</td><td>217 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,510</td><td>218 755</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 2,060</td><td>228 1,030</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141 1,320</td><td>241 660</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142 1,320</td><td>242 660</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 450</td><td>243 225</td><td>Design issue fee</td><td></td></tr> <tr><td>144 670</td><td>244 335</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146 790</td><td>246 395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149 790</td><td>249 395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing fee or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for reply within first month		116 400	216 200	Extension for reply within second month		117 950	217 475	Extension for reply within third month		118 1,510	218 755	Extension for reply within fourth month		128 2,060	228 1,030	Extension for reply within fifth month		119 310	219 155	Notice of Appeal		120 310	220 155	Filing a brief in support of an appeal		121 270	221 135	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive - unavoidable		141 1,320	241 660	Petition to revive - unintentional		142 1,320	242 660	Utility issue fee (or reissue)		143 450	243 225	Design issue fee		144 670	244 335	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Petitions related to provisional applications		126 240	126 240	Submission of Information Disclosure Stmt		581 40	581 40	Recording each patent assignment per property (times number of properties)		146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))		149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____				Other fee (specify) _____																																																											
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																										
105 130	205 65	Surcharge - late filing fee or oath																																																																																																																																																																											
127 50	227 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																											
139 130	139 130	Non-English specification																																																																																																																																																																											
147 2,520	147 2,520	For filing a request for reexamination																																																																																																																																																																											
112 920*	112 920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																											
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																											
115 110	215 55	Extension for reply within first month																																																																																																																																																																											
116 400	216 200	Extension for reply within second month																																																																																																																																																																											
117 950	217 475	Extension for reply within third month																																																																																																																																																																											
118 1,510	218 755	Extension for reply within fourth month																																																																																																																																																																											
128 2,060	228 1,030	Extension for reply within fifth month																																																																																																																																																																											
119 310	219 155	Notice of Appeal																																																																																																																																																																											
120 310	220 155	Filing a brief in support of an appeal																																																																																																																																																																											
121 270	221 135	Request for oral hearing																																																																																																																																																																											
138 1,510	138 1,510	Petition to institute a public use proceeding																																																																																																																																																																											
140 110	240 55	Petition to revive - unavoidable																																																																																																																																																																											
141 1,320	241 660	Petition to revive - unintentional																																																																																																																																																																											
142 1,320	242 660	Utility issue fee (or reissue)																																																																																																																																																																											
143 450	243 225	Design issue fee																																																																																																																																																																											
144 670	244 335	Plant issue fee																																																																																																																																																																											
122 130	122 130	Petitions to the Commissioner																																																																																																																																																																											
123 50	123 50	Petitions related to provisional applications																																																																																																																																																																											
126 240	126 240	Submission of Information Disclosure Stmt																																																																																																																																																																											
581 40	581 40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																											
146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																											
149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																											
Other fee (specify) _____																																																																																																																																																																													
Other fee (specify) _____																																																																																																																																																																													
<p>1. BASIC FILING FEE</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101 790</td><td>201 395</td><td>Utility filing fee</td><td></td></tr> <tr><td>106 330</td><td>206 165</td><td>Design filing fee</td><td></td></tr> <tr><td>107 540</td><td>207 270</td><td>Plant filing fee</td><td></td></tr> <tr><td>108 790</td><td>208 395</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114 150</td><td>214 75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (1) (\$)</td><td></td></tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103 22</td><td>203 11</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102 82</td><td>202 41</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104 270</td><td>204 135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109 82</td><td>209 41</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110 22</td><td>210 11</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="3">SUBTOTAL (2) (\$)</td><td>9.00</td></tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101 790	201 395	Utility filing fee		106 330	206 165	Design filing fee		107 540	207 270	Plant filing fee		108 790	208 395	Reissue filing fee		114 150	214 75	Provisional filing fee		SUBTOTAL (1) (\$)				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	103 22	203 11	Claims in excess of 20		102 82	202 41	Independent claims in excess of 3		104 270	204 135	Multiple dependent claim, if not paid		109 82	209 41	** Reissue independent claims over original patent		110 22	210 11	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$)			9.00	<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td></td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116 400</td><td>216 200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117 950</td><td>217 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118 1,510</td><td>218 755</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128 2,060</td><td>228 1,030</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141 1,320</td><td>241 660</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142 1,320</td><td>242 660</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143 450</td><td>243 225</td><td>Design issue fee</td><td></td></tr> <tr><td>144 670</td><td>244 335</td><td>Plant issue fee</td><td></td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146 790</td><td>246 395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149 790</td><td>249 395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p> <p>SUBTOTAL (3) (\$)</p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath		127 50	227 25	Surcharge - late provisional filing fee or cover sheet		139 130	139 130	Non-English specification		147 2,520	147 2,520	For filing a request for reexamination		112 920*	112 920*	Requesting publication of SIR prior to Examiner action		113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action		115 110	215 55	Extension for reply within first month		116 400	216 200	Extension for reply within second month		117 950	217 475	Extension for reply within third month		118 1,510	218 755	Extension for reply within fourth month		128 2,060	228 1,030	Extension for reply within fifth month		119 310	219 155	Notice of Appeal		120 310	220 155	Filing a brief in support of an appeal		121 270	221 135	Request for oral hearing		138 1,510	138 1,510	Petition to institute a public use proceeding		140 110	240 55	Petition to revive - unavoidable		141 1,320	241 660	Petition to revive - unintentional		142 1,320	242 660	Utility issue fee (or reissue)		143 450	243 225	Design issue fee		144 670	244 335	Plant issue fee		122 130	122 130	Petitions to the Commissioner		123 50	123 50	Petitions related to provisional applications		126 240	126 240	Submission of Information Disclosure Stmt		581 40	581 40	Recording each patent assignment per property (times number of properties)		146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))		149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____				Other fee (specify) _____			
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																										
101 790	201 395	Utility filing fee																																																																																																																																																																											
106 330	206 165	Design filing fee																																																																																																																																																																											
107 540	207 270	Plant filing fee																																																																																																																																																																											
108 790	208 395	Reissue filing fee																																																																																																																																																																											
114 150	214 75	Provisional filing fee																																																																																																																																																																											
SUBTOTAL (1) (\$)																																																																																																																																																																													
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																										
103 22	203 11	Claims in excess of 20																																																																																																																																																																											
102 82	202 41	Independent claims in excess of 3																																																																																																																																																																											
104 270	204 135	Multiple dependent claim, if not paid																																																																																																																																																																											
109 82	209 41	** Reissue independent claims over original patent																																																																																																																																																																											
110 22	210 11	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																											
SUBTOTAL (2) (\$)			9.00																																																																																																																																																																										
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																										
105 130	205 65	Surcharge - late filing fee or oath																																																																																																																																																																											
127 50	227 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																											
139 130	139 130	Non-English specification																																																																																																																																																																											
147 2,520	147 2,520	For filing a request for reexamination																																																																																																																																																																											
112 920*	112 920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																											
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																											
115 110	215 55	Extension for reply within first month																																																																																																																																																																											
116 400	216 200	Extension for reply within second month																																																																																																																																																																											
117 950	217 475	Extension for reply within third month																																																																																																																																																																											
118 1,510	218 755	Extension for reply within fourth month																																																																																																																																																																											
128 2,060	228 1,030	Extension for reply within fifth month																																																																																																																																																																											
119 310	219 155	Notice of Appeal																																																																																																																																																																											
120 310	220 155	Filing a brief in support of an appeal																																																																																																																																																																											
121 270	221 135	Request for oral hearing																																																																																																																																																																											
138 1,510	138 1,510	Petition to institute a public use proceeding																																																																																																																																																																											
140 110	240 55	Petition to revive - unavoidable																																																																																																																																																																											
141 1,320	241 660	Petition to revive - unintentional																																																																																																																																																																											
142 1,320	242 660	Utility issue fee (or reissue)																																																																																																																																																																											
143 450	243 225	Design issue fee																																																																																																																																																																											
144 670	244 335	Plant issue fee																																																																																																																																																																											
122 130	122 130	Petitions to the Commissioner																																																																																																																																																																											
123 50	123 50	Petitions related to provisional applications																																																																																																																																																																											
126 240	126 240	Submission of Information Disclosure Stmt																																																																																																																																																																											
581 40	581 40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																											
146 790	246 395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																											
149 790	249 395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																											
Other fee (specify) _____																																																																																																																																																																													
Other fee (specify) _____																																																																																																																																																																													

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name		Marina T. Larson, Ph.D.		Reg. Number	32,038
Signature		Date		Deposit Account User ID	
		04/02/01			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.